

Listing of the Claims:

Claims 1 - 20 (Canceled).

Claim 21 (New): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

the pointing device is operable to:

take precedence over the remote signaling devices; and

selectively enable each remote signaling device, and

the device onto which an image is projected from the projector is a communication hub of the system, arranged to:

request information from each remote signaling device in turn, by polling;

receive control signals from the pointing device and the plurality of remote signaling devices; and

transmit the control signals from the pointing device and the plurality of

remote signaling devices to the computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 22 (New): An interactive display system as claimed in claim 21, in which the single link is a wireless connection such as infra red means of radio means.

Claim 23 (New): An interactive display system as claimed in claim 22, which is operable to calibrate the location of an image displayed on the device onto which an image is projected relative to the surface of the device onto which an image is projected.

Claim 24 (New): An interactive display system as claimed in claim 21, in which the pointing device is operable to induce image control signals in the position indication means, which image control signals are operable to control the computing means and thus image information is displayed on the device onto which an image is projected.

Claim 25 (New): An interactive display system as claimed in claim 21, in which the device onto which an image is projected includes an output portion arranged to transmit signals from both the receiver portion and the position indication means to the computing means.

Claim 26 (New): An interactive display system as claimed in claim 21, wherein the

communication hub of the system includes one or more remote control device(s) that is/are operable to control the computing means in substantially the same manner as a key board and mouse combination.

Claim 27 (New): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

- projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

- adapting the plurality of remote signaling devices to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

- determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

- arranging for the pointing device to:

 - take precedence over the remote signaling devices, and

 - selectively enable each remote signaling device, and

- wherein the device onto which an image is projected from the projector is adapted to be a communications hub of the display system, the method further comprising the steps, at the communications hub, of:

 - requesting information from each remote signaling device in turn, by

polling;

receiving control signals from the pointing device and the plurality of remote signaling devices; and

transmitting the control signals from the pointing device and the plurality of remote signaling devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 28 (New): A method as claimed in claim 27, wherein signals from the plurality of remote signaling devices or each remote signaling device do not contain position related data.

Claim 29 (New): A method as claimed in either claim 28, in which the signals from the plurality of remote signaling devices or each remote signaling device are transmitted in response to information displayed on the display device.

Claim 30 (New): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit only in response to a request signal from the display device; and

position indication means for determining the position of the pointing device

relative to a surface of the display device,

the interactive display device onto which an image is projected from a projector being arranged:

for the signals from the pointing device to take precedence over signals from the remote signaling devices;

for the pointing device to selectively enable each remote signaling device; and

to request information from each remote signaling device in turn, by polling;

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying an image from a computing means received by said interactive display device onto which an image is projected from a projector.

Claim 31 (New): A remote signaling device for use with the interactive display system according to claim 21.

Claim 32 (New): An interactive display system according to claim 21 in which the system further comprises an image projector arranged to project image information onto the device onto which an image is projected.

Claim 33 (New): An interactive display system according to claim 21 wherein the

display system is a device onto which an image is projected.

Claim 34 (New): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector; and

the device onto which an image is projected from the projector is a communication hub of the system, arranged to:

receive control signals from the pointing device and the plurality of remote signaling devices; and

transmit the control signals from the pointing device and the plurality of remote signaling devices to the computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 35 (New): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector; and

wherein the device onto which an image is projected from the projector is adapted to be a communications hub of the display system, the method further comprising the steps, at the communications hub, of:

receiving control signals from the pointing device and the remote control devices; and

transmitting the control signals from the pointing device and the remote control devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 36 (New): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit only in response to a request signal from the display device; and position indication means for determining the position of the pointing device relative to a surface of the display device, the interactive display device onto which an image is projected from a projector being arranged:

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying an image from a computing means received by said interactive display device onto which an image is projected from a projector.

Claim 37 (New): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

the pointing device is operable to:

take precedence over the remote signaling devices; and

selectively enable each remote signaling device, and

the device onto which an image is projected from the projector is a communication hub of the system, arranged to:

receive control signals from the pointing device and the plurality of remote signaling devices; and

transmit the control signals from the pointing device and the plurality of remote signaling devices to the computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 38 (New): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals to a receiver

portion of the device onto which an image is projected from the projector;

determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

arranging for the pointing device to:

take precedence over the remote signaling devices, and

selectively enable each remote signaling device, and

wherein the device onto which an image is projected from the projector is adapted to be a communications hub of the display system, the method further comprising the steps, at the communications hub, of:

receiving control signals from the pointing device and the remote control devices; and

transmitting the control signals from the pointing device and the remote control devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 39 (New): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit; and

position indication means for determining the position of the pointing device

relative to a surface of the display device,

the interactive display device onto which an image is projected from a projector being arranged:

to request information from each remote signaling device in turn, by polling; and

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying an image from a computing means received by said interactive display device onto which an image is projected from a projector.

Claim 40 (New): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector; and

the device onto which an image is projected from the projector is a communication hub of the system, arranged to:

request information from each remote signaling device in turn, by polling;
receive control signals from the pointing device and the plurality of remote
signaling devices; and

transmit the control signals from the pointing device and the plurality of
remote signaling devices to the computing means on a single communications
link, which link is capable of conveying signals both from the pointing device and
the remote signaling devices, in order to control an image on the device onto
which an image is projected from the projector.

Claim 41 (New): A method of operating an interactive display system including: a
projector; a device onto which an image is projected from the projector; a computing
means; a pointing device; and a plurality of remote signaling devices, the method
comprising the steps of:

projecting an image of a computer display of a computer onto the device onto
which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals to a receiver
portion of the device onto which an image is projected from the projector;

determining the position of the pointing device relative to a surface of the device
onto which an image is projected from the projector; and

wherein the device onto which an image is projected from the projector is adapted
to be a communications hub of the display system, the method further comprising the
steps, at the communications hub, of:

requesting information from each remote signaling device in turn, by

polling;

receiving control signals from the pointing device and the remote control devices; and

transmitting the control signals from the pointing device and the remote control devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 42 (New): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit; and

position indication means for determining the position of the pointing device relative to a surface of the display device,

the interactive display device onto which an image is projected from a projector being arranged:

to request information from each remote signaling device in turn, by polling; and

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying

an image from a computing means received by said interactive display device onto which an image is projected from a projector.